

Class Resources

Day 1

1. [What cookies are and how they work!](#)
2. [How ads follow you around the internet](#)

Day 2

1. [The truth behind filter bubbles: Bursting some myths | Reuters Institute for the Study of Journalism](#)

Day 3

1. Filter bubbles: <https://www.youtube.com/watch?v=prx9bxzns3g&t=15s>
2. Data brokers: [Data Brokers: Last Week Tonight with John Oliver \(HBO\) - YouTube](#)
3. Cambridge Analytica: [How Cambridge Analytica Exploited the Facebook Data of Millions | NYT](#)
4. Censorship: <https://www.khanacademy.org/partner-content/wi-phi/xd226e27a:emerging-technologies/xd226e27a:censoring-hate-speech/v/philosophy-emerging-technologies-3-should-online-platforms-censor-hate-speech>
5. In Defence of Anonymity: <https://www.youtube.com/watch?v=1ZnXPVyWP8w>
6. Cyberethics: <http://irep.iium.edu.my/23680/>

Day 4

1. History of encryption: [11 Cryptographic Methods That Marked History: From the Caesar Cipher to Enigma Code and Beyond](#)
2. Understanding how QR codes work: [Anatomy of a QR Code: Know Its Structure & Functionality](#)
3. BAse64 encoding: [Base64 Encoding](#)
4. Letter frequency: [Frequency Table](#)
5. To show in class: [Diffie-Hellman Key Exchange](#) (2.47 onwards)
6. RSA explainer: <https://www.youtube.com/watch?v=hm8s6FAc4pg&t=224s>

Python Resources:

1. [Python Cheat Sheet & Quick Reference](#) - For those that have coded in other languages before and need a syntax reference for Python.
2. <https://futurecoder.io/>
3. <https://www.freecodecamp.org/news/learning-python-from-zero-to-hero-120ea540b567/>
4. <https://www.youtube.com/watch?v=qwAFL1597eM>
5. <https://www.youtube.com/watch?v=eWRfhZUzrAc>
6. 50 Days of Python by Benjamin Bennett Alexander
7. Leetcode
8. Loops: <https://www.youtube.com/watch?v=2lcpbawb-vw>